

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in this case.

Listing of Claims:

1-65. (Canceled)

66. (Currently amended) A computerized system for depicting and analyzing a TNF- α ~~(TACE)~~ TACE-polypeptide comprising a catalytic domain, the computerized-system comprising:

(a) a computer memory ~~storing structural data obtained from crystallographical analysis of said TACE-polypeptide, comprising~~

(i) at least one first-type storage region comprising the x-ray crystallographic coordinate data contained in Table 1 and

(ii) at least one second-type storage region, comprising a representation of characteristics of a plurality of amino acids of said polypeptide, wherein said second-type storage region is logically associated with said first-type storage region to support data processing;

(b) a computer processor coupled to said memory, said processor generating processed output on said data using a set of programmed instructions; wherein said processor

(i) accesses said first-type storage region and said second-type storage region and

(ii) generates image signals for depicting a visual image of said polypeptide in a three-dimensional space that corresponds to said coordinate data,

and wherein said image signals are the processed output;

and

(c) a computer display coupled to said processor, said display rendering ~~multi-~~ three- dimensional images of said polypeptide according to said processed output.

67-69. (Canceled)

DO
NOT
ENTER
K. Kern
3/8/05